

receiving the analog broadcasting signal if the analog broadcasting channel is selected, extracting a synchronous signal from the received analog broadcasting signal, adjusting the extracted synchronous signal to a synchronous signal of the digital broadcasting signal, and separating the analog broadcasting signal into an analog broadcasting audio signal and an analog broadcasting video signal;

selectively encoding the MPEG processed video signal separated from the digital broadcasting signal and predetermined additional information according to the extracted synchronous signal;

selectively transmitting the additional information overlapped with the analog broadcasting video signal separated from the analog broadcasting signal and the additional information overlapped with the MPEG processed video signal separated from the digital broadcast signal in accordance with the encoding selected in the encoding of the MPEG processed video signal; and

selectively transmitting the MPEG processed audio signal separated from the digital broadcasting signal and the analog broadcasting audio signal separated from the analog broadcasting signal.

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Cont.*

2. (TWICE AMENDED) The method of claim 1, wherein the selective encoding of the MPEG processed video signal comprises overlapping and analogizing the MPEG processed video signal overlapped with the additional information in response to the selection of the digital broadcasting channel and only analogizing the additional information in response to the selection of the analog broadcasting channel.

3. (TWICE AMENDED) The method of claim 1, wherein, the selective transmitting of the additional information, comprises [the step of] selecting and transmitting the MPEG processed video signal separated from the digital broadcast signal overlapped with the additional information in response to the digital broadcasting channel being selected, and selecting and transmitting the analog broadcast video signal separated from the analog broadcasting signal overlapped with the additional information in response to the analog broadcasting channel being selected.

4. (TWICE AMENDED) The method of claim 1, wherein the selective transmitting of the additional information comprises mapping and transmitting information of the additional